ODS 5983

OBSTRUCTION DATA SHEET

ODS 5983
YAMPA VALLEY AIRPORT
HAYDEN, COLORADO

DIGITIZED FROM

OC 5983
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FOR THE FEDERAL AVIATION ADMINISTRATION

OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA Nr. 405, "Specifications - Airport Obstruction Chart and Related Products."

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS (and OC) depict a representation of objects that existed at the time of the OC field survey.

ODS information is arranged as follows:

1. Objects located in FAR-77 approach (including supplemental approaches if present) or primary areas are listed with the associated runway (reference runway). For example, all objects in the Runway 9R approach or primary are listed with Runway 9R. Distances to these objects are computed from both the physical end and threshold of Runway 9R. Objects in the Runway 27L approach or primary are listed with Runway 27L. (Objects in the common 9R/27L primary area are listed with both runways.)

2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).

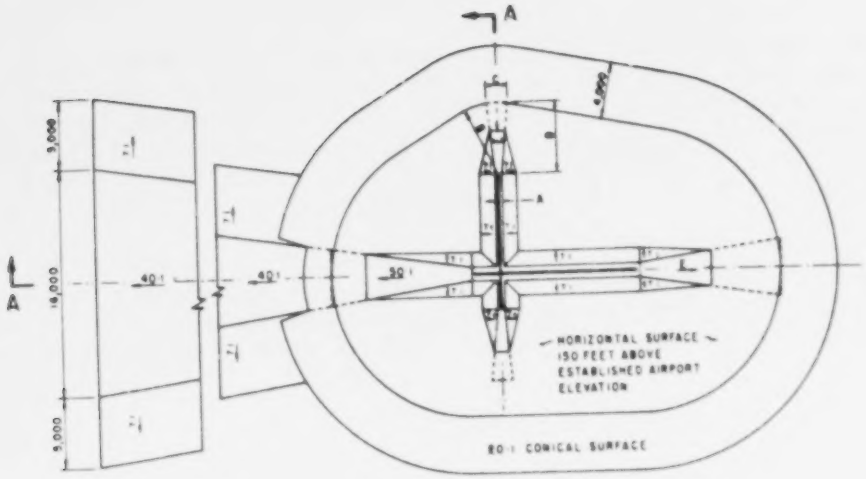
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows (see footnote 2 on page 3):

A(V) ..... Utility runway - visual approach only
A(NP) .... Utility runway - nonprecision instrument approach
B(V) ..... Nonutility runway - visual approach only
C .... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
D .... Nonutility runway - nonprecision instrument approach with visibility minimums as low as 3/4 mile
PIR ...... Precision instrument runway
SUPLC ... Supplemental C underlying a B(V)

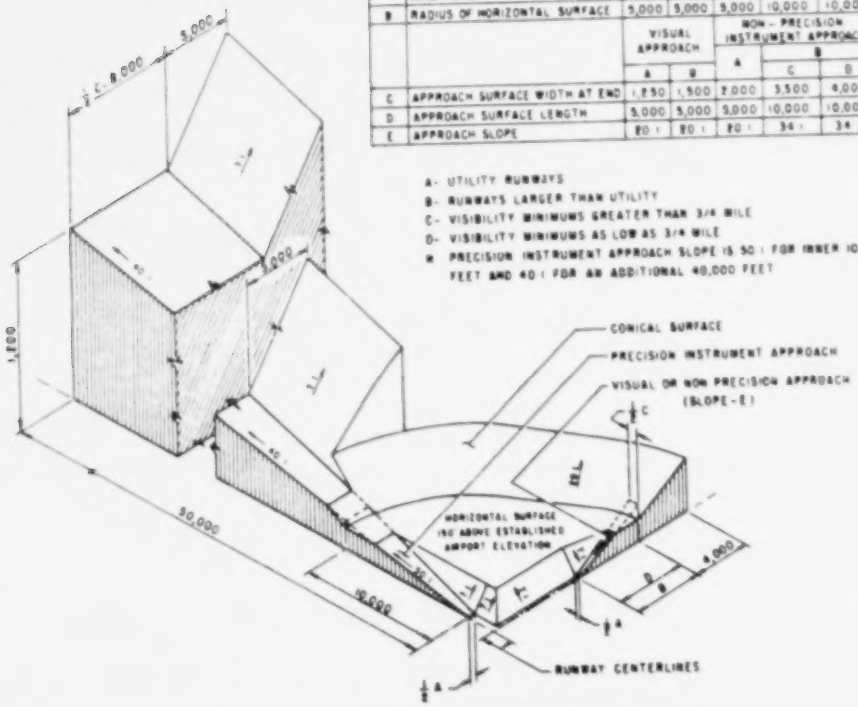
FAR-77 imaginary surface dimensions are defined on page 2 of this report.

Primary surface width is determined by the widest approach at the two approach/primary interfaces for that runway.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	C	D	
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
				A	B		
		A	B		C	D	
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	*
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	*

A- UTILITY RUNWAYS
B- RUNWAYS LARGER THAN UTILITY
C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
* PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET



ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT IMAGINARY SURFACES

ANNOTATION OF ODS DATA FORMAT

OC XXXX

AIRPORT ELEVATION XXXX

X^{1}	X^{2} XXXX/XXXX^{3}	XXXXXX.XXX^{4}	XXXXXXX.XXX^{4}	XXXXXXX^{5}		XXXX/XXXX^{6}	XXXXXX.XXX^{7}	XXXXXXX.XXX^{7}					
OBJECT		LAT	LONG	A^{8}	ELEV^{9}	AGL^{10}	HAR^{11}	HAT^{11}	HAA^{11}	DEND^{12}	DTHR^{12}	DCLN^{12}	PNTR^{13}
XXXXXXXXXXX		XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXX		XXXXXX.XXX	XXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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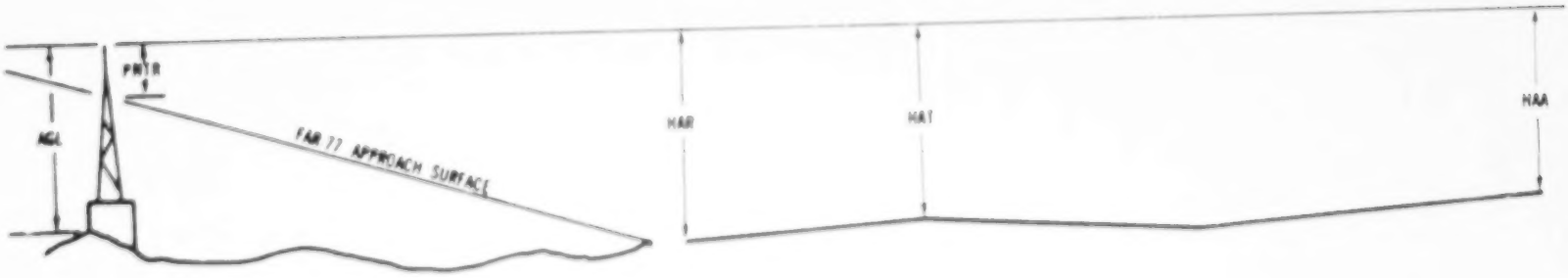

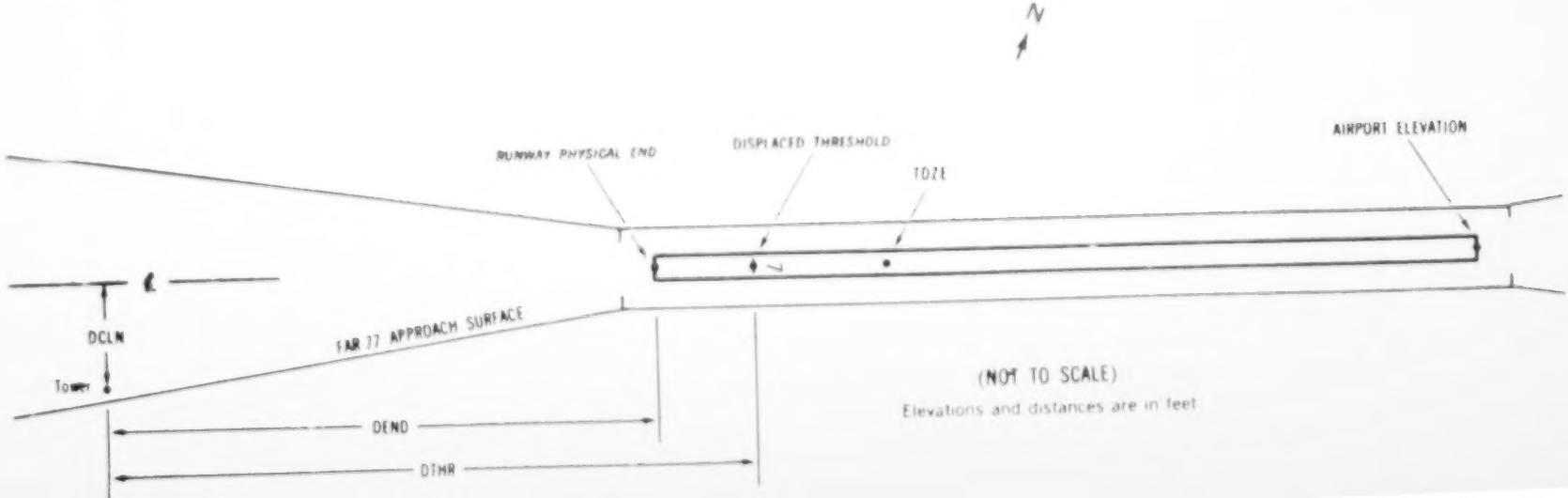

(NOT TO SCALE)

Elevations and distances are in feet

EXPLANATION OF FOOTNOTES

[1] Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary area of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.

[2] For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed.)

[3] Reference runway approach physical end elevation/touchdown zone elevation

[4] Latitude and longitude of reference runway approach physical end

[5] Reference runway geodetic azimuth reckoned clockwise from south

[6] Reference runway displaced threshold elevation/touchdown zone elevation

[7] Latitude and longitude of reference runway displaced threshold

[8] Accuracy Code:

Horizontal	Vertical
1 = 20	A = 2
2 = 40	B = 5
	C = 20

[9] Mean Sea Level (MSL) elevation at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.

[10] Height above ground level (AGL). AGLs are provided only for those objects appearing on the OC that are equal to, or greater than, 200 feet AGL. AGL accuracy is ±10 feet.

[11] HAA - Height above airport
HAR - Height above reference runway approach physical end
HAT - Height above reference runway touchdown zone elevation

[12] DEND - Distance along reference runway centerline from point perpendicular to object to reference runway approach physical end
DTHR - Distance along reference runway centerline from point perpendicular to object to reference runway threshold
DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft.

A negative value for DEND or DTHR indicates object is in primary area on roll-out side of zero distance point.

[13] PNTR - Penetration of indicated FAR-77 approach or primary surface (see footnote 2).

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AIRPORT ELEVATION 6602

10 PIR 6576/ 402912.217N 10714 0.590W 2934317 6579/6587 402910.230N 1071354.668W

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
GROUND	402832.69	1071213.96	1A	6609		33	22	7	-9153	-8653	346R	9
OL WINDSOCK	402833.54	1071215.68	1A	6620		44	33	18	-8997	-8497	320R	21
GROUND	402841.41	1071218.64	1A	6601		25	14	-1	-8467	-7967	316L	3
GROUND	402836.30	1071227.41	1A	6603		27	16	1	-8054	-7554	430R	6
GROUND	402853.27	1071251.22	1A	6597		21	10	-5	-5679	-5179	401L	10
GROUND	402853.39	1071317.18	1A	6594		18	7	-8	-3837	-3337	394R	7
OL WINDSOCK	402852.57	1071318.22	1A	6621		45	34	19	-3797	-3297	503R	34
GROUND	402857.57	1071329.47	1A	6594		18	7	-8	-2798	-2298	389R	9
OL GLIDE SLOPE	402903.24	1071344.77	1A	6625		49	38	23	-1485	-985	340R	42
OL WINDSOCK	402909.83	1071343.82	1A	6592		16	5	-10	-1283	-784	301L	10
VOR/DME	403112.40	1071815.43	2C	7291		715	704	689	22915	23415	3224L	197

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AIRPORT ELEVATION 6602

28 PIR 6602/6602 402832.458N 10712 2.159W 1134433

OBJECT	LAT	LONG	A	ELEV	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
OL WINDSOCK	402909.83	1071343.82	1A	6592		-10	-10	-10	-8714		301R	10
OL GLIDE SLOPE	402903.24	1071344.77	1A	6625		23	23	23	-8513		340L	42
GROUND	402857.57	1071329.47	1A	6594		-8	-8	-8	-7200		389L	9
OL WINDSOCK	402852.57	1071318.22	1A	6621		19	19	19	-6200		503L	34
GROUND	402853.39	1071317.18	1A	6594		-8	-8	-8	-6160		394L	7
GROUND	402853.27	1071251.22	1A	6597		-5	-5	-5	-4318		401R	10
GROUND	402836.30	1071227.41	1A	6603		1	1	1	-1943		430L	6
GROUND	402841.41	1071218.64	1A	6601		-1	-1	-1	-1530		316R	3
OL WINDSOCK	402833.54	1071215.68	1A	6620		18	18	18	-1001		320L	21
GROUND	402832.69	1071213.96	1A	6609		7	7	7	-844		346L	9
OL DME	402830.94	1071148.98	1A	6616		14	14	14	994		270R	-2
OL LOCALIZER	402828.49	1071150.32	1A	6607		5	5	5	999		0R	-11
GROUND	402819.27	1071145.56	1A	6655		53	53	53	1712		705L	23
GROUND	402816.45	1071133.03	1A	6668		66	66	66	2713		576L	16
TRANSMISSION TOWER	402818.26	1071116.54	1A	6717		115	115	115	3806		104R	43
TRANSMISSION TOWER	402824.78	1071112.04	1A	6717		115	115	115	3858		849R	42
BUSH	402729.43	1070803.43	1A	7349		747	747	747	19458		1598R	316
BUSH	402713.39	1070804.18	2C	7304		702	702	702	20059		89R	256
BUSH	402603.79	1070624.74	2C	7749		1147	1147	1147	29936		3253L	454
BUSH	402650.00	1070529.24	2C	8101		1499	1499	1499	31974		2758R	755
TOWER	402543.66	1070535.56	2C	8126		1524	1524	1524	34238		3581L	723
BUSH	402546.36	1070532.27	2C	8118		1516	1516	1516	34361		3229L	712

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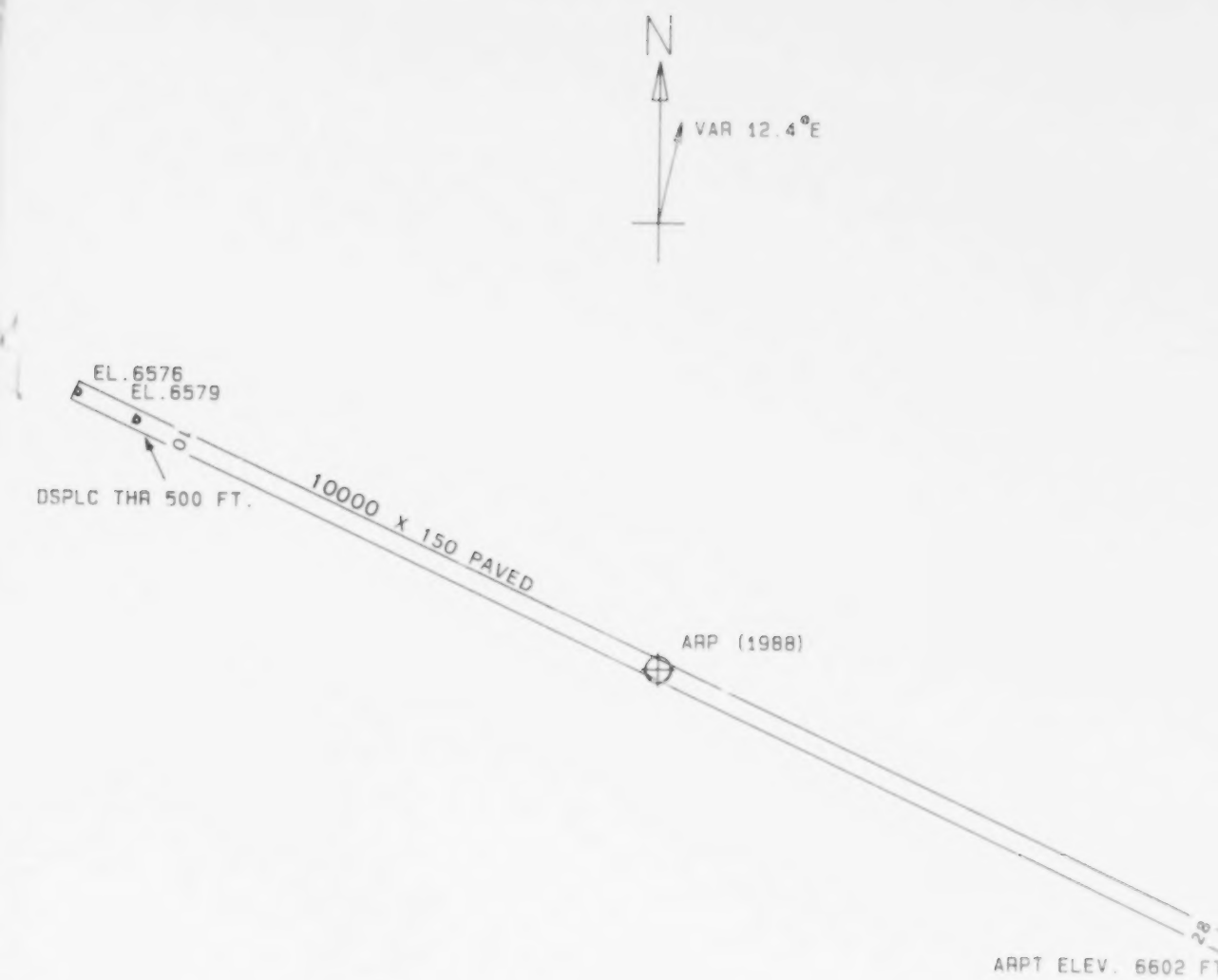
AIRPORT ELEVATION 6602

ARP 402852.342N 1071301.370W

OBJECT	LAT	LONG	A	ELEV	AGL	HAA	MAG BEARING	DISTANCE
POLE	402844.99	1071259.90	1A	6616		14	158 55	752
POLE	402843.01	1071253.93	1A	6612		10	136 16	1106
ROD ON OL AIRPORT BEACON	402902.97	1071305.37	1A	6639		37	331 33	1119
POLE	402906.80	1071318.75	1A	6640		38	305 3	1986
POLE	402853.89	1071330.50	1A	6630		28	261 35	2257
FENCE	402855.16	1071330.38	1A	6611		9	264 51	2260
POLE	402909.87	1071327.46	1A	6621		19	298 57	2685
POLE	402912.17	1071334.25	1A	6626		24	295 54	3238
FENCE	402859.89	1071344.27	1A	6607		5	270 35	3402
POLE	402914.92	1071342.69	1A	6625		23	293 12	3926
FENCE	402902.65	1071352.39	1A	6597		-5	272 26	4078
POLE	402917.88	1071351.28	1A	6616		14	291 26	4642
FENCE	402906.47	1071405.37	1A	6588		-14	273 44	5148
GROUND	402818.43	1071146.05	1A	6660		58	108 7	6757
OL RADIO TOWER	402954.40	1071217.44	1A	6742	265	140	15 59	7139
GROUND	402812.22	1071135.48	1A	6676		74	109 3	7781
TRANSMISSION TOWER	402836.71	1071116.00	1B	6748		146	88 35	8295
TRANSMISSION TOWER	402734.50	1071203.84	1B	6811		209	138 9	9046
TRANSMISSION TOWER	402725.86	1071230.82	1B	6827		225	152 30	9064
OL STACK	402913.58	1071106.04	1A	6911	404	309	64 2	9168
ROD ON OL STACK	402913.54	1071105.95	1A	6906	399	304	64 4	9173
TRANSMISSION TOWER	402722.06	1071241.98	1B	6827		225	158 17	9258
TRANSMISSION TOWER	402722.88	1071235.35	1B	6794		192	155 4	9274
TRANSMISSION TOWER	402802.39	1071116.27	1A	6745		143	109 29	9567
BUSH	402806.86	1070827.98	2C	7199		597	89 52	21624
ANTENNA	403115.13	1071746.55	2C	7351		749	290 53	26347
POLE	403114.18	1071755.37	2C	7281		679	289 55	26868



TOUCHDOWN ZO RUNWAY ELEVAT
10 6587
28 6602

YAMPA VALLEY AIRPORT

HAYDEN, COLORADO

(NOT TO SCALE)